CRYPTOGAMIC SOCIETY

OF

SCOTLAND.

∴ THIRTY-SIXTH ∴

Annual Conference

MOFFAT.

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Cryptogamic Society of Scotland.

AFTER an interval of eighteen years the Society met for its Thirty-Sixth Annual Conference at Moffat, September 26th' 27th, and 28th, 1911, under the presidency of Mr R. B. Johnstone. There were about a dozen members present, and they found everything necessary for their comfort and convenience in the Annandale Arms Hotel. The first day spent on the Gallow Hill and in Gardenholm Wood was dull but dry, but on the second day, when a visit was paid to Garpol Glen and Craigielands, much rain fell in the afternoon. The third day was spent at Dumcrieff—also unfortunately wet. In consequence of the long continued hot weather and drought the larger Fungi were scarce, and the number of species obtained was much smaller than usual. On the other hand, the minute Fungi were fairly abundant, and the list will be found to contain several notable species.

The thanks of the Society are due to the President, who took charge of the list of larger Fungi, and to Mr. D. A. Boyd, who compiled the list of the smaller Fungi, and also furnished the list of additional records of Scottish Cryptogamic Plants for the year 1911, which will be found at p. 13. Every effort has been made to ensure accuracy.

LIST OF FUNGI, 1911.

LOCALITIES:

Gallow Hill and Gardenholm.
Garpol Glen and Craigielands.
Dumcrieff.

Amanita—
mappa (Batsch) Fr.
rubescens Fr.
muscaria (Linn.) Fr.
spissa, Fr.

Amanitopsis—
vaginata (Bull.) Roze.
var. nivalis Grev.

Lepiota—
carcharias (Pers.) Fr.
granulata (Batsch) Fr.

Armillaria—
mellea (Vahl) Fr.

Tricholoma—
resplendens, Fr.
rutilans (Schæff.) Fr
vaccinum (Pers.) Fr.
terreum (Schæff.) Fr.
saponaceum, Fr.
virgatum, Fr.

Clitocybe—
clavipes (Pers.) Fr.
maxima.
fragrans (Sow.) Fr.

Laccaria—
laccata (Scop.) B. & Br.
var. amethystina (Vaill.) B. & Br.

Collybia—
radicata (Relh.) Fr.
maculata (A. & S.) Fr.
butyracea (Bull.) Fr.
confluens (Pers.) Fr.
tuberosa (Bull.) Fr.
dryophila (Bull.) Fr.
clusilis, Fr.

Mycena—
pura (Pers.) Fr.
rugosa, Fr.
galericulata (Scop.) Fr.
polygramma (Bull.) Fr.
alkalina, Fr.
ammoniaca, Fr.
filopes (Bull.) Fr.
hæmatopa (Pers.) Fr.
sanguinolenta (A. & S.) Fr.
galopa (Pers.) Fr.
epipterygia (Scop.) Fr.
rorida, Fr.
corticola (Schum.) Fr.

Omphalia—
umbellifera (Linn.) Fr.
fibula (Bull.) Fr.

Pleurotus—
mitis (Pers.) Fr.
porrigens (Pers.) Fr.

Pluteus—
cervinus (Schæff.) Fr.

Entoloma—
sinuatum, Fr.
jubatum, Fr.
rhodopolium, Fr.

Clitopilus—
prunulus (Scop.) Fr.

Leptonia—
lampropa, Fr.

Nolanea
pascua (Pers.) Fr.

Claudopus—
variabilis (Pers.) W.G.Sm.

Pholiota—
squarrosa (Müll.) Fr.
flammans, Fr.

Inocybe—
hystrix, Fr.
lanuginosa (Bull.) Fr.
rimosa (Bull.) Fr.
eutheles (B. & Br.) Quel.
geophylla (Sow.) Fr.

Hebeloma—
glutinosum (Lind.) Fr.
crustuliniforme (Bull.) Fr.

Flammula—
carbonaria, Fr.
sapinea, Fr.
scamba, Fr.

Galera—
tener (Schæff.) Fr.
hypnorum (Schrank) Fr.

Crepidotus—
mollis (Schæff.) Fr.

Psaliota—
campestris (Linn.) Fr.

Stropharia—
æruginosa (Curt.) Fr.
squamosa, Fr.
semiglobata (Batsch) Fr.

Hypholoma—
sublateritium (Schæff.) Fr.
capnoides, Fr.
fasciculare (Huds.) Fr.
dispersum, Fr.
lacrymabundum, Fr.
pyrotrichum (Holmsk.) Fr.
appendiculatum (Bull.) Fr.

Psilocybe—
semilanceatus, Fr.

Anellaria—
separata (Linn.) Karst.

Panæolus—
papilionaceus (Bull.) Fr.
campanulatus (Linn.) Fr.

Coprinus—
comatus, Fl. Dan.
atramentarius (Bull.) Fr.
micaceus (Bull.) Fr.
plicatilis (Curt.) Fr.

Cortinarius—
(Phlegmacium) purpurascens, Fr.
(Myxacium) clatior, Fr.

Gomphidius—
glutinosus (Schæff.) Fr.

Paxillus—
involutus (Batsch) Fr.

Hygrophorus—
agathosmus, Fr.
pratensis (Pers.) Fr.
virgineus (Wulf.) Fr.
fornicatus, Fr.
lætus (Pers.) Fr.
puniceus, Fr.
conicus (Scop.) Fr.
calyptraeformis, Berk.
chlorophanus, Fr.
psittacinus (Schæff.) Fr.

Lactarius—
turpis (Weinm.) Fr.
blennius, Fr.
trivialis, Fr.
vellereus, Fr.
quietus, Fr.
rufus (Scop.) Fr.
glyciosmus, Fr.
mitissimus, Fr.

Russula—
nigricans (Bull.) Fr.
adusta (Pers.) Fr.
cyanoxantha (Schæff.) Fr.
fœtens, Pers.
fellea, Fr.
emetica, Fr.
ochroleuca (Pers.) Fr.
fragilis (Pers.) Fr.
integra (Linn.) Fr.
alutacea Pers.

Cantharellus—
cibarius, Fr.
umbonatus (Pers.) Fr.
aurantiacus (Wulf.) Fr.

Nyctalis—
parasitica (Bull.) Fr.

Marasmius—
peronatus (Bolt.) Fr.
oreades (Bolt.) Fr.
ramealis (Bull.) Fr.
rotula (Scop.) Fr.
androsaceus (Linn.) Fr.

Lentinus—
cochleatus, Fr.

Panus—
stipticus (Bull.) Fr.

Boletus—
luteus, Linn.
elegans, Schum.
flavus, With.
badius, Fr.
chrysenteron, Bull.
subtomentosus, Linn.
edulis, Bull.
luridus, Schæff.
scaber, Bull.

Polyporus—
rufescens, Fr.
squamosus (Huds.) Fr.
elegans, Fr.
intybaceus, Fr.
giganteus, Fr.
lacteus, Fr.
fumosus, Fr.

Fomes—
annosus, Fr.

Polystictus—
versicolor (Linn.) Fr.
abietinus (Dicks.) Fr.

Poria—
medulla-panis (Pers.) Fr.
sanguinolenta (A. & S.) Fr.
mollusca (Pers.) Fr.

Solenia—
anomala (Pers.) Fr.

Hydnum—
repandum, Linn.
farinaceum, Pers.

Tremellodon—
gelatinosum (Scop.) Pers.

Phlebia—
vaga, Fr.

Grandinia—
granulosa (Pers.) Fr.

Stereum—
purpureum, Pers.
hirsutum (Willd.) Pers.
spadiceum (Pers.) Fr.
sanguinolentem (A. & S.) Fr.

Corticium—
comedens (Nees) Fr.

Clavaria—
muscoides, Linn.
var. fastigiata. Linn.
cinera, Bull.
cristata, Holmsk.
inæqualis, Müll.
vermicularis, Scop.

Calocera—
viscosa, Pers.
cornea (Batsch) Fr.

Pistillaria—
puberula, Berk.

Tremella—
lutescens, Pers.

Exidia—
glandulosa (Bull.) Fr.
albida (Huds.) Brefeld.

Næmatelia—
encephala, Fr.

Dacrymyces—
stillatus, Nees.

Scleroderma—
vulgare, Fl. Dan.

Nidularia—
pisiformis, Tul.

Sphærobolus—
stellatus, Tode.

Lycoperdon—
nigescens, Pers.
pyriforme, Schæff.
gemmatum, Fl. Dan.
echinatum, Pers.

Ithyphallus—
impudicus (Linn.) Fisch.

Spinellus—
fusiger (Link) Van Tiegh. On rotten agarics.

Sporodinia—
aspergillus, Schröt. On a rotten agaric.

Cystopus—
candidus (Pers.) Lév. On *Capsella Bursa-pastoris.*

Bremia—
lactucæ, Regel. On *Senecio vulgaris.*

Empusa—
muscæ, Cohn. On a dead fly.

Protomyces—
macrosporus, Unger. On *Ægopodium Podagraria.*

Tilletia—
decipiens (Pers.) Körn. On *Agrostis vulgaris.*

Uromyces—
fabæ (Pers.) Cke. As Uredo on *Lathyrus pratensis.*
polygoni (Pers.) Wint. On *Polygonum aviculare.*
rumicis (Schum.) Wint. On *Rumex Acetosa.*

Puccinia—
galii (Pers.) Wint. As Uredo on *Galium verum.*
variabilis, Grev. On *Taraxacum officinale.*
violæ (Schum.) Wint. On *Viola Riviniana.*
menthæ, Pers. On *Mentha.*
primulæ (D.C.) Wint. On *Primula vulgaris.*
rubigo-vera (D.C.) Wint. As Uredo on *Holcus*, &c.
poarum, Nielsen. As Æcidium on *Tussilago Farfara.*
obtegens, Tul. On *Cnicus arvensis.*
hieracii (Schum.) Wint. On *Cnicus arvensis.*
centaureæ, Mart. On *Centaurea nigra.*
oblongata (Link) Wint. As Uredo on *Luzula maxima.*
valantiæ, Pers. On *Galium saxatile.*

Phragmidium—
subcorticatum (Schrank) Wint. On Rose leaves
rubi-idæi (Pers.) Wint. On *Rubus Idæus*

Cronartium—
ribicolum, Deitr. On leaves of *Ribes nigrum* in gardens. The Æcidium (= *Peridermium strobi*, Kleb.) on bark of *Pinus Strobus* at Dumerieff.

Melampsora—
farinosa (Pers.) Schröt. As Uredo on *Salix Caprea.*
betulina (Pers.) Wint. On *Betula alba.*
vacciniorum (Link) Wint. As Uredo on *Vaccinium Myrtillus.*

Coleosporium—
senecionis (Pers.) Wint. As Uredo on *Senecio vulgaris.*
tussilaginis, Lév. On *Tussilago Farfara.*
campanulæ (Pers.) Wint. As Uredo on *Campanula rotundifolia.*

Uredo—
Mulleri, Schröt. On *Rubus fruticosus;* Gallow Hill.

Æcidium—
elatinum, A. & S. On *Abies pectinata;* Dumerieff.

Podosphæra—
oxyacanthæ (D.C.) De Bary. On *Cratægus Oxyacantha.*
myrtillina (Schub.) Kze. On *Vaccinium Myrtillus;* Gallow Hill.

Erysiphe—
Martii, Lév. On *Lathyrus pratensis.*

Uncinula—
aceris (D.C.) Sacc. On *Acer Pseudo-platanus.*

Microsphæra—
grossulariæ (Wallr.) Lév. On *Ribes Grossularia.*

Hypomyces—
aurantius (Pers.) Fckl. On *Polystictus versicolor.*

Nectria—
cinnabarina (Tode) Fr. On dead branches.

Rhopographus—
filicinus (Fr.) Fckl. On dead stipites of *Pteris Aquilina.*

Phyllachora—
junci (Fr.) Fckl. On culmo of *Juncus communis.*

Stigmatea—
Robertiani, Fr. On *Geranium Robertianum.*

Sphærella—
vaccinii, Cke. On *Vaccinium Myrtillus.*
rumicis (Desm.) Cke. On *Rumex obtusifolius.*

Xylaria—
Hypoxylon (Linn.) Grev. On rotten trunks.

Diatrype—
disciformis (Hoffm.) Fr. On dead bark of *Fagus sylvatica.*

Elaphomyces—
granulatus, Fr. In the ground; Gallow Hill.

Hypoderma—
conigenum (Pers.) Cke. On a fallen fir-cone.

Lophodermium—
cladophilum (Lév.) Rehm. On dead twigs of *Vaccinium Myrtillus.*
pinastri (Schrad.) Chev. On dead leaves of *Pinus sylvestris.*

Dichæna—
quercina (Pers.) Fr. Imperfect state on bark of *Quercus Robur.*

Trochila—
craterium, Fr. On dead leaves of *Hedera Helix.*
lauro-cerasi, Fr. On dead leaves of *Prunus Lauro-cerasus.*

Pseudopeziza—
trifolii (Bern.) Fckl. On *Trifolium repens.*

Bulgaria—
polymorpha (Œder) Wett. On prostrate trunks.

Orbilia—
leucostigma, Fr. On rotten bark.

Coryne—
sarcoides (Jacq.) Tul. On dead trunks.
urnalis (Nyl.) Karst. On rotten stumps.

Chlorosplenium—
æruginosum (Œd.) De Not. On a rotten trunk.

Erinella—
apala (B. & Br.) Mass. On dead culms of *Juncus.*

Dasyscypha—
calycina (Schum.) Fckl. On dead Pine-bark.

Humaria—
granulata (Bull.) Sacc. On cow-dung.

Otidea—
aurantia (Œd.) Mass. On the ground.

Leotia—
lubrica, Pers. On the ground.

Spathularia—
clavata (Schæff.) Sacc. On the ground.

Phyllosticta—
sambuci, Desm. On *Sambucus nigra.*
ajugæ, Sacc. & Speg. On *Ajuga reptans.*
mercurialis, Desm. On *Mercurialis perennis.*

Ascochyta—
philadelphi, Sacc. & Speg. On *Philadelphus coronarius.*

Darluca—
filum (Biv.) Cast. Parasitic on *Uredo oblongata.*

Septoria—
tormentillæ, Desm. & Rob. On *Potentilla Tormentilla.*
podagrariæ, Lasch. On *Ægopodium Podagraria.*
polygonorum, Desm., *var.* persicariæ. Trail. On *Polygonum Persicaria.*

Melasmia—
acerina, Lév. On leaves of *Acer Pseudo-platanus.*
punctata, Sacc. & Roum. Do.

Leptostromella—
juncina (Fr.) Sacc. On dead culms of *Juncus communis.*

Glœosporium—
ribis, Lib. On leaves of *Ribes nigrum.*
fagi, Desm. On leaves of *Fagus sylvatica.*

Marssonia—
potentillæ (Desm.) Fisch., *var.* anserinæ, Trail. On *Potentilla Anserina*

Oidium—
erysiphoides, Fr. On various living plants.
alphitoides, Griff. & Maulb. On leaves of *Quercus Robur.*

Ovularia—
doroniei, Sacc. On *Doronicum Pardalianches;* Dumerieff.
veronicæ, Sacc. On *Veronica Chamædrys.*
bistortæ (Fckl.) Sacc. On *Polygonum Bistorta.*
obliqua (Cke.) Oud. On *Rumex obtusifolius.*

Sepedonium—
chrysospermum (Bull.) Fr. On rotten *Boleti.*

Didymaria—
Ungeri, Corda. On *Ranunculus repens.*

Ramularia—
taraxaci, Karst. On *Taraxacum officinale.*
pruinosa, Speg. On *Senecio Jacobæa.*
variabilis, Fckl. On *Digitalis purpurea.*
ajugæ, Sacc. On *Ajuga reptans.*
plantaginea, Sacc. & Berl. On *Plantago lanceolata.*
pratensis, Sacc. On *Rumex Acetosa.*
urticæ, Cés. On *Urtica dioica.*

Cladosporium—
herbarum, Link. On dead leaves and stems.

Cercospora—
mercurialis, Fckl. On leaves of *Mercurialis perennis.*

Fumago—
vagans, Pers. On leaves of evergreen shrubs.

Isaria—
citrina, Pers. On a decayed agaric.

Tubercularia—
vulgaris, Tode. On dead branches.

Tuberculina—
vinosa, Sacc. On *Æcidium tussilaginis.*

Illosporium—
roseum, Mart. On *Parmelia saxatilis.*

ADDITIONAL RECORDS OF SCOTTISH CRYPTOGAMIC PLANTS, 1911.

PUBLISHED SOURCES OF RECORDS.

I. Transactions of the British Mycological Society, Vol. III., Part 4 (13th May 1911).

II. The Journal of Botany, Vol. XLIX. (1911).

III. The Annals of Scottish Natural History, Nos. 77-80 (1911).

IV. The Glasgow Naturalist, Vol. III. (1911).

V. Do. do. Vol. IV., No. 1 (Nov. 1911).

VI. Transactions of the Edinburgh Field Naturalists' and Microscopical Society, Vol. VI., Part 4 (1911).

FUNGI.

Phlebia albida, Fr.—Clyde. On a fallen trunk ; Corsinkell Glen, Stevenston, Ayrshire ; 4th October 1910 ; D. A. Boyd (I., 288 ; V., 14).

Clavaria luteoalba, Rea.—Clyde. On the ground in a wood ; Stevenston ; D. A. Boyd (V., 15).

Plasmopara pusilla, Schröt. — Clyde. Parasitic on *Geranium pratense ;* Kilwinning, Ayrshire ; *Ibid.*—Forth. On *G. pratense ;* Borthwick, Midlothian ; 8th October 1910 ; D. A. Boyd (I., 281 ; VI., 343).

Peronospora alsinearum, Casp.—Forth. Parasitic on *Stellaria media ;* near Fushiebridge, Midlothian ; 8th October 1910 ; D. A. Boyd (VI., 343).

Synchytrium stellariæ, Fckl.—Forth. Parasitic on *Stellaria media ;* Currie Glen, Borthwick, Midlothian ; 8th October 1910 ; *Ibid.*

Melampsora arctica, Rost.—Argyle. On leaves of *Salix herbacea ;* Ben-an-Dothaidh, at 3100 ft. ; July 1910 ; A. Wilson and J. A. Wheldon (III., 37).

Hypoderma strobilicola (=H. brachysporum, Rostr.).—Dee. On *Pinus Strobus* near Aberdeen ; C. O. Farquharson (III., 242).

Rhytisma andromedæ (Pers.) Fr.—Clyde. On *Andromeda polifolia ;* Lenzie Moss ; H. G. Cumming (V., 15).

Cenangium abietis (Pers.) Rehm.—Clyde. On dead bark of *Pinus sylvestris* between Cleghorn and Cartland Crags, Lanarkshire ; D. A. Boyd (V., 15). —Forth. On dead fir-bark ; Humbie Woods, Aberdour, Fifeshire ; 7th October 1911 ; D. A. Boyd (VI., 382).

Seleroderris livida (B. & Br.) Mass.—Dee. On bark of Douglas Fir at Drumtochty, near Aberdeen ; C. O. Farquharson (III., 241).

Belonidium excelsius (Karst.) Phil.—Clyde. On dead culms and sheaths of grass ; West Kilbride, Ayrshire ; D. A. Boyd (V., 15).

Helotium rubescens, Rehm.—Tay. On stumps of ash and hazel at Quarry Mill, Perth ; March 1910 ; J. Menzies (I., 281).

H. scutula (Pers.) Karst.—Forth. On a dead stem of *Spiraea Ulmaria* at Raith, Kirkealdy ; 1st October 1910 ; D. A. Boyd (VI., 343).

Cyathicula alba (Pat.) Sacc.—Tay. On a clayey ditch-side near Perth ; 10th September 1910 ; J. Menzies (I., 289).

Sclerotinia Fuckeliana, De Bary.—Dee. As *Botrytis Douglasii*, Tubeuf, on Douglas Fir near Aberdeen ; C. O. Farquharson (III., 240).

Tapesia rosæ (Pers.) Fckl.—Forth. On dead bark of Dog-rose at Raith, Kirkealdy ; 1st October 1910 ; D. A. Boyd (VI., 343).

Lachnea hemispherica (Wigg.) Gill.—Clyde. On the ground amongst moss near Stevenston, Ayrshire ; D. A. Boyd (V., 15).

Dasyscypha flavo-fuligineum (A & S.) Fckl.—Tay. On old elm stumps near Perth ; 15th December 1910 ; James Menzies (I., 289).

Podosphæra myrtillina (Schubert) Kunze.—Forth. On living leaves of *Vaccinium Myrtillus* in Currie Glen, Borthwick ; 8th October 1910 ; D. A. Boyd (VI., 343).

Nesolechia cladoniarum (Nyl.)—Tay. On *Cladina uncialis*, var. *turgescens ;* Ben Chaluim, at 3200 ft. ; July 1910 ; A. Wilson and J. A. Wheldon (III., 37).

Anthostomella Rehmii, Thüm.—Dee. On dead yew-leaves at Durris, Aberdeenshire ; C. O. Farquharson (III., 240).

Valsa ambiens (Pers.) Fr.—Forth. On dead bark of beech ; Humbie Woods, near Aberdour ; 7th October 1911 ; D. A. Boyd (VI. 382).

Massaria inquinans (Tode) Fr.—Forth. On dead branches of sycamore at Hopetoun, Linlithgowshire ; 30th September 1911 ; *Ibid.*, 381.

Sphærulina taxi, Massee.—Dee. On leaves of yew at Durris, Aberdeenshire ; C. O. Farquharson (III., 240).

Genca verrucosa, Vitt.—Dee. In the ground ; Hazelhead Wood, near Aberdeen ; *Ibid.*, 252.

Phoma pithya, Sacc.—Dee. On Douglas Fir near Aberdeen ; *Ibid.*, 240.

Ascochyta philadelphi, Sacc. & Speg.—Forth. On living leaves of *Philadelphus coronarius* at Raith, Kirkcaldy ; 1st October 1910 ; D. A. Boyd (VI., 343).

Camarosporium macrosporum (B. & Br.) Sacc.—Forth. On dead twigs of of last-mentioned shrub at Raith ; *Ibid.*

Phleospora aceris (Lib.) Sacc.—Forth. On living leaves of sycamore at Raith ; *Ibid.*

Libertella faginea, Desm.—Forth. On dead bark of beech ; Humbie Woods, near Aberdour ; 7th October 1910 ; *Ibid.*, 382.

Oidium alphitoides, Griff. & Maulb.—Clyde. On living oak-leaves ; West Kilbride (Ayrshire) and Lochwinnoch (Renfrewshire) ; D. A. Boyd (V., 16).

Botrytis deprædans, Cooke.—Clyde. On living leaves of *Acer Pseudoplatanus ;* Lochwinnoch ; *Ibid.*

Ovularia doroniei, Sacc.—Clyde. On leaves of *Doronicum* ; Largs, Ayrshire ; *Ibid.*—Forth. On same host plant ; Hopetoun, Linlithgowshire ; 30th September 1911 ; D. A. Boyd (VI., 381).

Bostrichonema alpestre, Cés.—Clyde. On *Polygonum viviparum ;* Glen Falloch ; D. A. Boyd (V., 16).

Ramularia Winteri, Thüm.—Clyde. On *Ononis arvensis ;* Stevenston, Ayrshire ; D. A. Boyd (I., 284 ; V., 16).

R. centaureæ, Lindr.—Clyde. On *Centaurea nigra ;* West Kilbride ; D. A. Boyd (V., 16).—Forth. On same host-plant ; near Fushiebridge ; 1st October 1910 ; D. A. Boyd (VI., 343).

R. senecionis (B. & Br.) Sacc.—Clyde. On *Senecio aquaticus ;* West Kilbride, D. A. Boyd (V., 16).

R. taraxaei, Karst.—Clyde. On *Taraxacum officinale ;* Largs, *Ibid.*—Forth. On same host-plant near Dalmeny ; D. A. Boyd (VI., 381).

R. valerianæ (Speg.) Sacc.—Forth. On *Valeriana officinalis ;* Currie Glen, Borthwick ; 8th October 1910 ; *Ibid.*, 343.

R. macrospora, Fres.—Clyde. On *Campanula persicifolia* ; Largs ; D. A. Boyd (V., 17).

R. plantaginis, Ellis & Mart.—Clyde. On *Plantago major* at Largs and Lochwinnoch ; *Ibid.*

R. plantaginea, Sacc. & Berl.—Clyde. On *Plantago lanceolata* at Stevenston ; *Ibid.*—Forth. On same host-plant near Dalmeny ; D. A. Boyd (VI. 381).

Verticillium buxi, Auers & Fleisch.—Forth. On dead leaves of box at Raith ; *Ibid.*, 343.

Asterophora agaricicola, Corda.—Forth. On *Nyctalis asterophora* at Currie Glen ; *Ibid.*, 343.

Stilbum erythrocephalum, Ditm.—Forth. On rabbit dung at Hopetoun and Humbie Woods ; *Ibid.*, 381, 382.

Tubercularia vinosa, Sacc.—Clyde. On *Æcidium tussilaginis* at West Kilbride ; D. A. Boyd (V., 17).

Ægerita candida, Pers.—Clyde. On rotten wood in wet places ; Ardrossan ; *Ibid.*

LICHENES.

Arthropyrenia crombiei, A. L. Smith.—Tay. On alder bark ; banks of the Garry, Blair Atholl, Perthshire ; J. M. Crombie (II. 43).

ALGÆ.

Phæothamnion confervicolum, Lagerh.—Forth. On *Lemna minor* and other aquatic plants ; Elf Loch, Braid Hills ; August 1910 ; F. L. M'Keever (III., 57).